

# Work Order ID 74036

Tuesday, September 20, 2011 3:35:54 PM



ASAP

Page 1

Item ID: D4026-041

Accept



Setup Start



Revision ID:

Item Name: Fuel Gauge Assembly

Stop



Start Date: 9/20/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 9/21/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan: mf

Date: 11-09-20

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4026

A

100

0.00



Small Fab

Memo

0.00

Small Fab

Assemble as per dwg notes

9/21/20 @

110

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

8/16/21

xc

120

Identify as per dwg & Stock Location: 111

0.00



Packaging

Memo

0.00

Packaging

11/16/21 @

Dart Aerospace Ltd

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

**Work Order ID 74036**

Tuesday, September 20, 2011 3:35:54 PM



Page 2

Item ID: D4026-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Fuel Gauge Assembly

Start Date: 9/20/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 9/21/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/10/24  
MF  
11-10-29

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| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
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|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

# Picklist Print

Tuesday, September 20, 2011 3:35:51 PM

Page 1

Work Order ID: 74036

Parent Item: D4026-041

Parent Item Name: Fuel Gauge Assembly



Start Date: 9/20/2011

Required Date: 9/21/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 10.05.17 as per ECN10-562 DD verf:EC

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand  | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|-----------------|-------------|--------------|---------------|----------------|--------|
| D4014-1<br>                     |                        | Manufactured  | No          |                     |                  | 100             | Each               | 0.0000          | 1           | 1            |               | 9/11/10/20     |        |
| Switch Plate                    |                        |               |             |                     |                  |                 |                    |                 |             |              |               |                |        |
| D4014-3<br>                     |                        | Manufactured  | No          |                     |                  | 100             | Each               | 4.0000          | 1           | 1            |               | 9/11/10/20     |        |
| Gauge Cover                     |                        |               |             |                     |                  |                 |                    |                 |             |              |               |                |        |
|                                 |                        |               |             | <u>Location</u>     |                  | <u>Loc Qty</u>  |                    | <u>Loc Code</u> |             |              |               |                |        |
|                                 |                        |               |             | ENG                 |                  | 2               |                    |                 |             |              |               |                |        |
|                                 |                        |               |             | 55878               |                  | 2               |                    |                 |             |              |               |                |        |
|                                 |                        |               |             | ST109               |                  | 2               |                    |                 |             |              |               |                |        |
|                                 |                        |               |             | 66462               |                  | 2               |                    |                 |             |              |               |                |        |
| D4026-1<br>                     |                        | Manufactured  | No          |                     |                  | 100             | Each               | 1.0000          | 1           | 1            |               | 9/11/10/20     |        |
| Fuel Gauge                      |                        |               |             |                     |                  |                 |                    |                 |             |              |               |                |        |
|                                 |                        |               |             | <u>Location</u>     |                  | <u>Loc Qty</u>  |                    | <u>Loc Code</u> |             |              |               |                |        |
|                                 |                        |               |             | ST111               |                  | 1               |                    |                 |             |              |               |                |        |
|                                 |                        |               |             | 72244               |                  | 1               |                    |                 |             |              |               |                |        |

~~74037~~ (1x)

Dart Aerospace Ltd

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

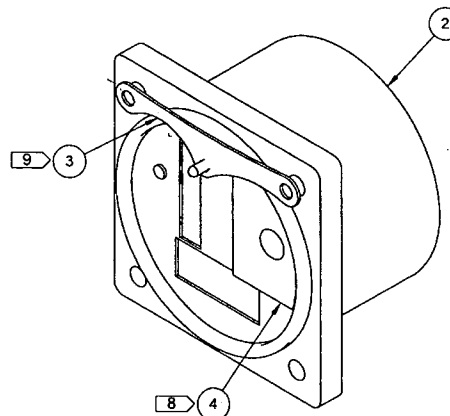
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
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| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

| ITEM NO. | QTY.<br>-041 | PART NUMBER | DESCRIPTION         | JOHN CAMERON AVIATION<br>PART NUMBER |
|----------|--------------|-------------|---------------------|--------------------------------------|
| 1        | X            | D4026-041   | FUEL GAUGE ASSEMBLY | FL-100-RJCA (REF)                    |
| 2        | 1            | D4026-1     | FUEL GAUGE          |                                      |
| 3        | 1            | D4014-1     | SWITCH PLATE        |                                      |
| 4        | 1            | D4014-3     | GAUGE COVER         |                                      |
| 5        | A/R          |             | DOUBLE SIDED TAPE   |                                      |



**D4026-041 FUEL GAUGE ASSEMBLY**

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4026-041" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.24 lbs
- 8) ATTACH D4014-3 GAUGE COVER USING DOUBLE SIDED TAPE
- 9) D4014-1 SWITCH COVER INCLUDED WITH ASSEMBLY, INSTALLED DURING GAUGE INSTALLATION IN AIRCRAFT

|            |             |    |          |
|------------|-------------|----|----------|
| A          | NEW ISSUE   | BY | 10.02.05 |
| REV.       | DESCRIPTION | BY | DATE     |
| DESIGN     |             |    |          |
| DRAWN      |             |    |          |
| CHECKED    |             |    |          |
| MFG. APPR. |             |    |          |
| APPROVED   |             |    |          |
| DE APPR.   |             |    |          |
| DATE       | 10.02.05    |    |          |

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4026** REV. A  
SHEET 1 OF 2

TITLE **FUEL GAUGE** SCALE NTS

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Dart Aerospace Ltd

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

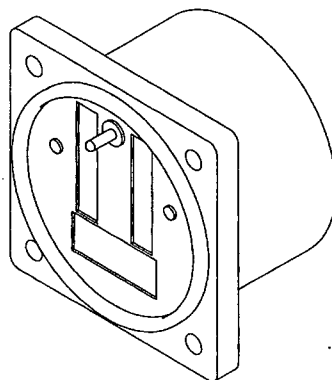
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|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



| DART AEROSPACE<br>PART NUMBER | JOHN CAMERON AVIATION<br>PART NUMBER |
|-------------------------------|--------------------------------------|
| D4026-1                       | FL-100-R-JCA                         |

## SPECIFICATION CONTROL DRAWING



#74636

| DART PART<br>NUMBER | MANUFACTURER         | MANUFACTURER<br>PART NUMBER | POSSIBLE<br>SUPPLIER                | SUPPLIER PART<br>NUMBER | OPERATING<br>TEMPERATURE       | POWER CONSUMPTION  | SENSORS SUPPORTED  | OPERATING<br>VOLTAGE |
|---------------------|----------------------|-----------------------------|-------------------------------------|-------------------------|--------------------------------|--|--|----------------------|
| D4026-1             | AEROSPACE LOGIC INC. | FL-100-R                    | AIRCRAFT<br>SPRUCE AND<br>SPECIALTY | 10-00304                | -15°C TO +55°C<br>5°F TO 131°F | 450 mA MAX (DAY OPERATION)<br>60mA MIN (NIGHT OPERATION) | RESISTIVE SENSORS OF ALL TYPES<br>R <sub>MAX</sub> = 300 OHMS<br>R <sub>MIN</sub> = 0 OHMS | 6 - 32 VDC           |

D4026-1 FUEL GAUGE

**RELEASED**  
2010-05-05  
MP

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

|            |          |   |              |
|------------|----------|---|--------------|
| DESIGN     |          | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA  |              |
| DRAWN      |          |   |              |
| CHECKED    |          | DRAWING NO.   | REV. A       |
| MFG. APPR. |          | D4026   | SHEET 2 OF 2 |
| APPROVED   |          | TITLE   | SCALE        |
| DE APPR.   |          | FUEL GAUGE  | NTS          |
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Dart Aerospace Ltd

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
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| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries